

INTERNATIONAL SEARCH REPORT

Application No
PCT/IB 03/05131A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04S1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04S G08B G09B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 987 142 A (COURNEAU MAITE ET AL) 16 November 1999 (1999-11-16) column 1, line 17 -column 1, line 52 column 2, line 13 -column 4, line 63 claim 1; figures 1,2 ---	1-11
A	DE 861 305 C (ATLAS WERKE AG) 13 May 1954 (1954-05-13) page 2, left-hand column, line 6 -page 2, right-hand column, line 84 claims 1-4; figure 1 ---	1-11
A	US 6 173 061 B1 (KISSEL TIMO ET AL) 9 January 2001 (2001-01-09) column 3, line 24 -column 4, line 8 column 5, line 1 -column 5, line 55 claim 1; figures 1-4 ---	1-11
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 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

Date of mailing of the international search report

24 March 2004

02/04/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 230 047 B1 (MCHUGH DAVID) 8 May 2001 (2001-05-08) cited in the application column 4, line 38 -column 7, line 11 -----	1-11

INTERNATIONAL SEARCH REPORT

Information on patent family members

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PCT/IBApplication No
03/05131

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5987142	A	16-11-1999	FR CA DE EP JP	2744871 A1 2197166 A1 69727328 D1 0790753 A1 10042399 A		14-08-1997 14-08-1997 04-03-2004 20-08-1997 13-02-1998
DE 861305	C	13-05-1954		NONE		
US 6173061	B1	09-01-2001	US	6611603 B1		26-08-2003
US 6230047	B1	08-05-2001		NONE		